

IN THE CLAIMS

No amendments are made to the claims, which are reproduced for the Examiner's convenience below:

1. (ORIGINAL) A method of managing the distribution of facsimile messages to a recipient, comprising:
 - receiving a message from a transmitting facsimile via a telephone network, the message comprising receiving fax server telephone number appended with a recipient direct dial telephone number;
 - automatically parsing the message to extract the recipient direct dial telephone number from the message;
 - receiving a fax payload from the transmitting facsimile in the fax server;
 - determining an e-mail address and at least one recipient fax preference from the direct dial telephone number;
 - processing the fax payload according to the recipient fax preference; and
 - directing the processed fax message according to the recipient fax preference.
2. (ORIGINAL) The method of claim 1, wherein the step of processing the fax payload in the fax server according to the recipient fax preference comprises the steps of:
 - reading a grayscale transform from a memory accessible to the fax server; and
 - applying the grayscale transform to the fax payload.
3. (ORIGINAL) The method of claim 1, wherein the step of automatically parsing the message to extract the recipient direct dial telephone number from the message is performed by a fax card.
4. (ORIGINAL) The method of claim 1, wherein the step of automatically parsing the message to extract the recipient direct dial telephone number from the message is performed by a processor responding to instructions to extract the recipient direct dial telephone number from the message.

5. (ORIGINAL) The method of claim 1, wherein the step of determining an e-mail address and at least one recipient fax preference from the direct dial telephone number comprises the steps of:

calling an application program interface in the fax server to an application managing recipient information comprising the e-mail address and the direct dial telephone number of the recipient; and

searching the recipient information for the e-mail address corresponding to the direct dial telephone number.

6. (ORIGINAL) The method of claim 1, the message further comprises a transmitting facsimile identification and wherein the fax preference describes an identification of a junk fax source, and the step of processing the converted fax message according to the recipient fax preferences comprises the step of deleting the received fax payload if the transmitting facsimile identification corresponds to the identification of the junk fax source.

7. (ORIGINAL) The method of claim 1, wherein the fax preference describes a preferred portable document format, and the step of processing the fax payload in the fax server comprises the step of converting the fax payload to the preferred portable document format.

8. (ORIGINAL) The method of claim 1, wherein the fax preference describes forwarding fax information, and the method further comprises the step of forwarding the fax message according to the forwarding fax information.

9. (ORIGINAL) The method of claim 1, further comprising the step of transmitting a confirming message to the transmitting facsimile.

10. (ORIGINAL) The method of claim 9, wherein the confirming message comprises a portion of the fax payload.

11. (ORIGINAL) An apparatus for managing the distribution of facsimile messages to a recipient, comprising:

means for receiving a message from a transmitting facsimile via a telephone network, the message comprising receiving fax server telephone number appended with a recipient direct dial telephone number;

means for automatically parsing the message to extract the recipient direct dial telephone number from the message;

means for receiving a fax payload from the transmitting facsimile in the fax server;

means for determining an e-mail address and at least one recipient fax preference from the direct dial telephone number;

means for processing the fax payload according to the recipient fax preference; and

means for directing the processed fax message according to the recipient fax preference.

12. (ORIGINAL) The apparatus of claim 11, wherein the means for processing the fax payload in the fax server according to the recipient fax preference comprises:

means for reading a grayscale transform from a memory accessible to the fax server;

and

means for applying the grayscale transform to the fax payload.

13. (ORIGINAL) The apparatus of claim 11, wherein the means for automatically parsing the message to extract the recipient direct dial telephone number from the message is a fax card.

14. (ORIGINAL) The apparatus of claim 11, wherein the means for automatically parsing the message to extract the recipient direct dial telephone number comprises a processor responding to instructions to extract the recipient direct dial telephone number from the message.

15. (ORIGINAL) The apparatus of claim 11, wherein the means for determining an e-mail address and at least one recipient fax preference from the direct dial telephone number comprises:

means for calling an application program interface in the fax server to an application managing recipient information comprising the e-mail address and the direct dial telephone number of the recipient; and

means for searching the recipient information for the e-mail address corresponding to the direct dial telephone number.

16. (ORIGINAL) The apparatus of claim 11, the message further comprises a transmitting facsimile identification and wherein the fax preference describes an identification of a junk fax source, and the means for processing the converted fax message according to the recipient fax preferences comprises means for deleting the received fax payload if the transmitting facsimile identification corresponds to the identification of the junk fax source.

17. (ORIGINAL) The apparatus of claim 11, wherein the fax preference describes a preferred portable document format, and the means for processing the fax payload in the fax server comprises means for converting the fax payload to the preferred portable document format.

18. (ORIGINAL) The apparatus of claim 11, wherein the fax preference describes forwarding fax information, and the apparatus further comprises means for forwarding the fax message according to the forwarding fax information.

19. (ORIGINAL) The apparatus of claim 11, further comprising means for transmitting a confirming message to the transmitting facsimile.

20. (ORIGINAL) The apparatus of claim 19, wherein the confirming message comprises a portion of the fax payload.

21. (ORIGINAL) A program storage device, readable by a computer, tangibly embodying at least one program of instructions executable by the computer to perform method steps of managing the distribution of facsimile messages to a recipient, the method steps comprising the steps of:

receiving a message from a transmitting facsimile via a telephone network, the message comprising receiving fax server telephone number appended with a recipient direct dial telephone number;

automatically parsing the message to extract the recipient direct dial telephone number from the message;

receiving a fax payload from the transmitting facsimile in the fax server;

determining an e-mail address and at least one recipient fax preference from the direct dial telephone number;

processing the fax payload according to the recipient fax preference; and

directing the processed fax message according to the recipient fax preference.

22. (ORIGINAL) The program storage device of claim 21, wherein the method step of processing the fax payload in the fax server according to the recipient fax preference comprises the method steps of:

reading grayscale transform from a memory accessible to the fax server; and

applying the grayscale transform to the fax payload.

23. (ORIGINAL) The program storage device of claim 21, wherein the method step of automatically parsing the message to extract the recipient direct dial telephone number from the message is performed by a fax card.

24. (PREVIOUSLY AMENDED) The program storage device of claim 21, wherein the method step of determining an e-mail address and at least one recipient fax preference from the direct dial telephone number comprises the method steps of:

calling an application program interface in the fax server to an application managing recipient information comprising the e-mail address and the direct dial telephone number of the recipient; and

searching the recipient information for the e-mail address corresponding to the direct dial telephone number.

25. (ORIGINAL) The program storage device of claim 21, the message further comprises a transmitting facsimile identification and wherein the fax preference describes an

identification of a junk fax source, and the method step of processing the converted fax message according to the recipient fax preferences comprises the method step of deleting the received fax payload if the transmitting facsimile identification corresponds to the identification of the junk fax source.

26. (ORIGINAL) The program storage device of claim 21, wherein the fax preference describes a preferred portable document format, and the method step of processing the fax payload in the fax server comprises the method step of converting the fax payload to the preferred portable document format.

27. (ORIGINAL) The program storage device of claim 21, wherein the fax preference describes forwarding fax information, and the method steps further comprises the method step of forwarding the fax message according to the forwarding fax information.

28. (ORIGINAL) The program storage device of claim 21, wherein the method steps further comprising the method step of transmitting a confirming message to the transmitting facsimile.

29. (ORIGINAL) The program storage device of claim 28, wherein the confirming message comprises a portion of the fax payload.

30. (PREVIOUSLY ADDED) The method of claim 1, further comprising the step of:

detecting whether the fax payload is essentially identical to an earlier received fax payload.

31. (PREVIOUSLY ADDED) The method of claim 30, further comprising the step of:

terminating the reception of the fax payload if the fax payload is essentially identical to an earlier received fax payload.

32. (PREVIOUSLY ADDED) The method of claim 31, further comprising the step of:

flagging the fax payload for deletion if the fax payload is essentially identical to an earlier received fax payload.